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ELECTROLUMINESCENT ARRANGEMENTS**5 CROSS REFERENCE TO RELATED PATENT APPLICATION**

The present patent application claims the right of priority under 35 U.S.C. § 119 (a)-(d) of German Patent Application No. 101 03 416.4, filed January 26, 2001.

FIELD OF THE INVENTION

- 10 The invention relates to electroluminescent arrangements which contain conductive polymers, especially 3,4-polyalkylenedioxythiophenes, as auxiliary layers, and to 3,4-polyalkylenedioxythiophene dispersions.

BACKGROUND OF THE INVENTION

- An electroluminescent (EL) arrangement is characterized in that it
- 15 emits light on application of an electric voltage with flow of a current. Arrangements of this type have been known for some time under the term "light emitting diodes" (LEDs). The emission of light occurs through positive charges (holes) and negative charges (electrons) recombining with emission of light.
- 20 All the customary LEDs in industry predominantly consist of inorganic semiconductor materials. However, EL arrangements whose essential constituents are organic materials have been known for some years.
- These organic EL arrangements generally contain one or more layers of organic charge-transport compounds.
- 25 The principal layer structure is as follows:
- 1 Support, substrate
 - 2 Base electrode
 - 3 Hole-injecting layer
 - 30 4 Hole-transporting layer
 - 5 Emitter layer
 - 6 Electron-transporting layer

SUBSTITUTE SPECIFICATION